

## REVIEWS

*Nevada Trees.* By W. D. BILLINGS. Agricultural Extension Service, University of Nevada, Reno, Bulletin 94, pp. 102, illustrated. June, 1945.

"Nevada Trees" is a popular guide to the native and exotic trees of Nevada. Of the 177 species and varieties, 75 are native and 102 are introduced. The introduced species are readily distinguished by an asterisk preceding the name. Kinds growing on the grounds of the University of Nevada are noted.

The author has followed a phylogenetic sequence rather than arranging the genera and species alphabetically as is, unfortunately, so often done in a popular treatment. The species are grouped by families, the common name being used for the latter. Both the scientific and common name is given for each species. A non-technical key to the genera makes use of vegetative characters. Its use is explained and a glossary of the few technical terms is appended. An index of the common names only is provided.

Thirty-three of the species of most importance or of general interest are described rather fully and are illustrated by photographs. The photographs are supplemented by clear line drawings of the leaves, or, for 16 conifers, by good half-tone reproductions of the cones. The salient characteristics of the other species are briefly described in one or two lines. As the same characters are not always described for the species in a genus and as there is no key to the species, it is sometimes difficult, if not impossible, to make the necessary comparisons to identify the specimen at hand. If, in another edition, keys to species were added, the difficulties with the larger genera such as spruces, willows, and elms would be eliminated. Inclusion of more actual measurements, rather than such phrases as "greater than," would also make identification easier and more precise.

Zonation of the native forest-types in different areas of the state is described in the introduction. An excellent feature is that the complete geographic range of the native species is given in addition to the detailed range in Nevada. A map of the counties is included and care has been taken, in speaking of particular mountain ranges, to refer them to their respective counties. The native home of introduced species is also stated.

The format is pleasing and the paper of better quality than in many war-time publications. Sewing, instead of stapling, would have added to the durability of the bulletin.—MARY L. BOWERMAN, Department of Botany, University of California, Berkeley.

*Hayfever Plants: Their appearance, distribution, time of flowering, and their role in hayfever, with special reference to North America.* By ROGER P. WODEHOUSE. Pp. xix + 245, with 73 figs., and 10